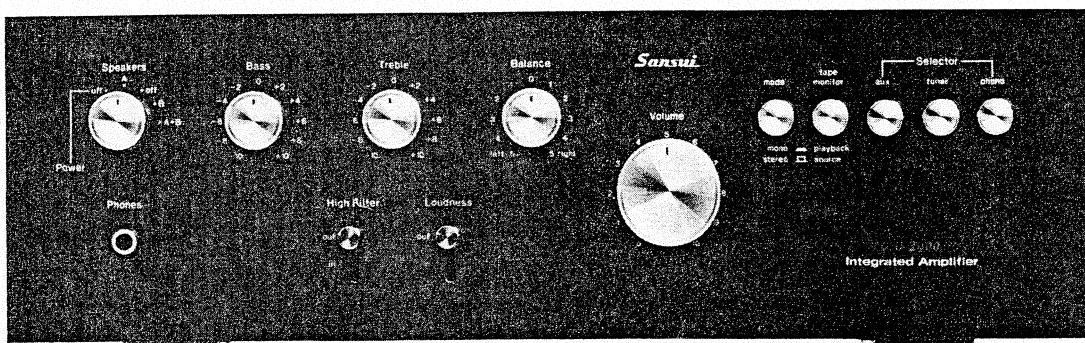


SERVICE MANUAL

INTEGRATED STEREO AMPLIFIER
SANSUI AU-2900



SANSUI ELECTRIC CO., LTD.

1. SPECIFICATIONS

POWER OUTPUT

Min. RMS, both channels driven, from 40 to 20,000Hz,
with no more than 0.3% total harmonic distortion

15 watts per channel into 8 ohms

Min. RMS, both channels driven, at 1,000Hz,
with no more than 0.3% total harmonic distortion
17 watts per channel into 8 ohms

LOAD IMPEDANCE 8 ohms (SYSTEM-A or B)

POWER BANDWIDTH 40 to 20,000Hz at or below
rated min. RMS power
output and total harmonic
distortion

TOTAL HARMONIC DISTORTION less than 0.3% at or below
rated min. RMS power out-
put

INTERMODULATION DISTORTION
(70Hz:7kHz=4:1 SMPTE method)
..... less than 0.5%

FREQUENCY RESPONSE (at 1 watt)
..... 10 to 40,000Hz $^{+0.5}_{-2.0}$ dB

RIAA CURVE DEVIATION (PHONO)
..... $+0.5\text{dB}$, -0.5dB (30Hz to
15kHz)

DAMPING FACTOR approximately 30 at 8 ohms
load

INPUT SENSITIVITY AND IMPEDANCE
(1kHz, for rated power output)

PHONO 2.5mV/50 kilohms
(Max. input capability: 170mV at 1kHz, less than
0.5% total harmonic distortion)

TUNER 130mV/50 kilohms

AUX 130mV/50 kilohms

TAPE PLAY (pin jacks) 130mV/50 kilohms

OUTPUT LEVEL (1,000Hz)

TAPE REC (pin jacks) 100 mV

CHANNEL SEPARATION (1 kHz, at rated power output)

PHONO better than 57dB

TUNER better than 60dB

AUX better than 60dB

TAPE PLAY better than 60dB

HUM AND NOISE (IHF)

PHONO better than 75dB

TUNER better than 90dB

AUX better than 90dB

TAPE PLAY better than 90dB

CONTROLS

BASS $+12\text{dB}$, -12dB (50Hz)

TREBLE $+12\text{dB}$, -12dB (15kHz)

LOUDNESS (volume control: -30dB) $+10\text{dB}$ (50Hz)
 $+8\text{dB}$ (10kHz)

HIGH FILTER -3dB (7 kHz, 6dB/oct.)

POWER REQUIREMENTS

POWER VOLTAGE 100, 120, 220, 240V 50/60Hz
120V(Usable 110~130V)60Hz
(for U.S.A. & Canada only)

POWER CONSUMPTION 50 watts (rated)
110 watts, 125 VA (max.),

DIMENSIONS 400 mm (15 $\frac{3}{4}$ "") W

120 mm (4 $\frac{3}{4}$ "") H

240 mm (9 $\frac{1}{2}$ "") D

WEIGHT 5.7 kg (12.6 lbs) net
6.7 kg (14.8 lbs) packed

* Design and specifications subject to change without notice for
improvements.

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8. PACKING LIST		BACK COVER
9. ACCESSORY PARTS LIST		BACK COVER

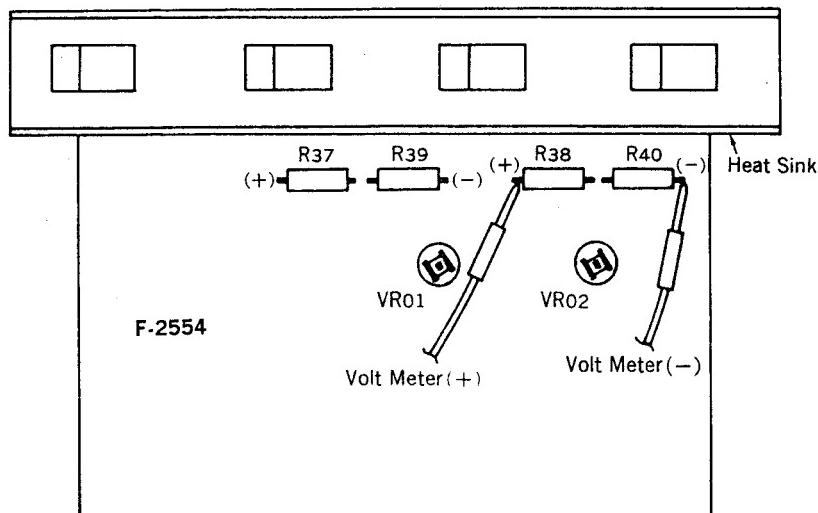
2. ADJUSTMENTS

2-1. Bias Current Adjustment

- Note: 1. Confirm the AC Power Supply voltage.
 2. Master Volume Minimum
 3. Room Temperature $18^{\circ}\text{C} \sim 28^{\circ}\text{C}$
 $(65^{\circ}\text{F} \sim 83^{\circ}\text{F})$

4. For this adjustment, run the unit for more than 3 minutes after power is switched ON.
 5. Before this adjustment, turn VR01 and VR02 fully counterclockwise.

Fig. 2-1

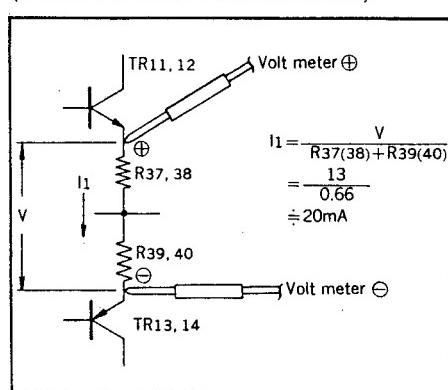


STEP	SUBJECT	EQUIPMENT	MEASURE OUTPUT	ADJUST	ADJUST FOR
1	Bias Current L-CH	DC Volt meter	*1) See below	VR01 F-2554 (See Fig. 2-1)	$13\text{mV} \pm 1\text{mV}$ (20mA)
2	Bias Current R-CH	DC Volt meter	*2) See below	VR02 F-2554 (See Fig. 2-1)	$13\text{mV} \pm 1\text{mV}$ (20mA)

*1) For this measurement, put the lead (+) side of volt meter to (+) side of R37 and the lead (-) side to (-) side of R39 on F-2554 as Fig. 2-1.

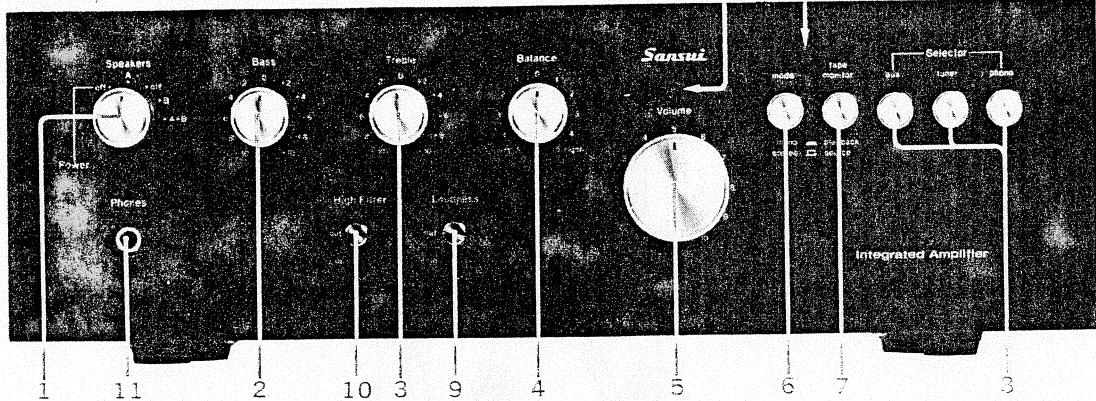
*2) For this measurement, put the lead (+) side of volt meter to (+) side of R38 and the lead (-) side to (-) side of R40 on F-2554 as Fig. 2-1.

(F-2554 Driver Circuit Board)

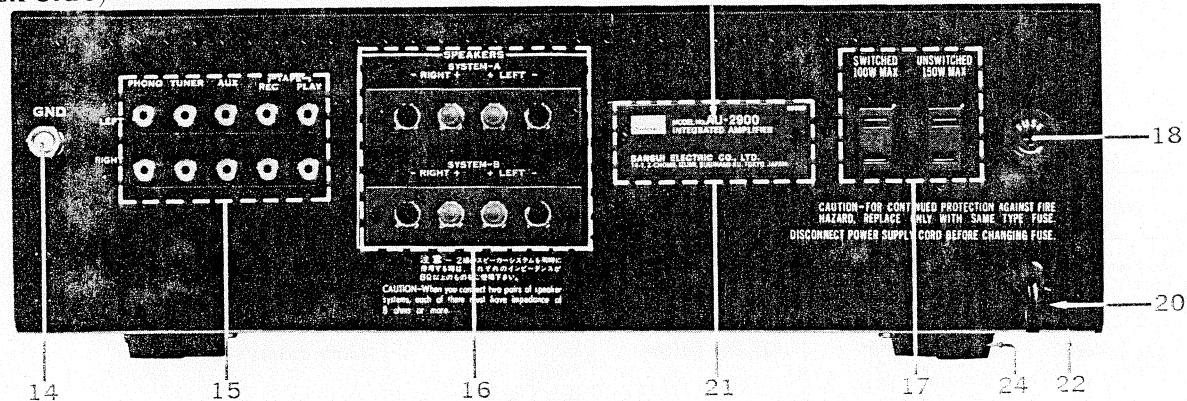


3. OTHER PARTS

(Front Side)



(Back Side)



Parts List

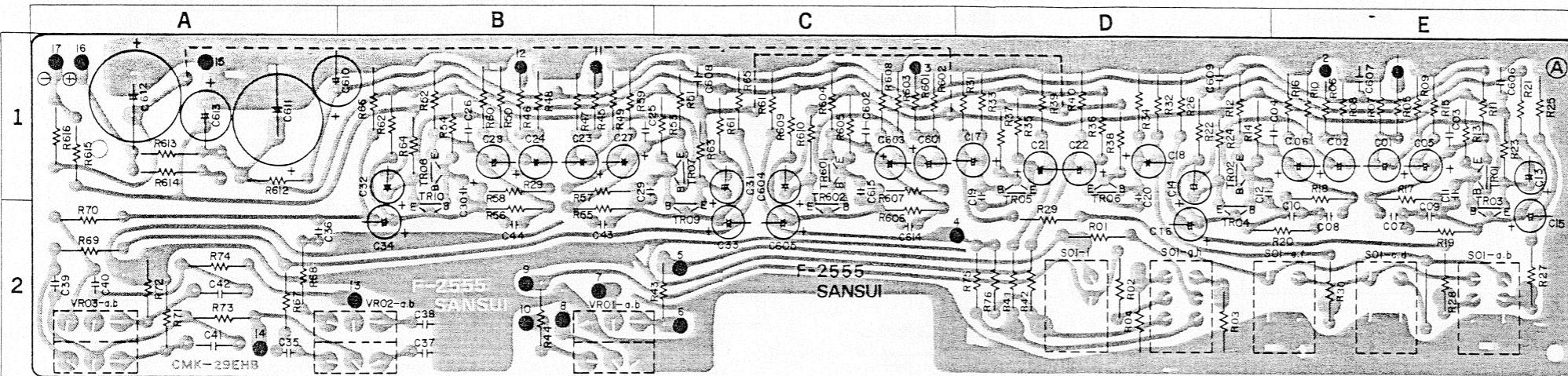
Parts No.	Stock No.	Description
1	{ 5318610 1101550, 1	S-11 Type Knob, SPEAKERS Rotary Switch Y-1-4-5, SPEAKERS
2	{ 5318610 1015080, 1	S-11 Type Knob, BASS VOLUME 100kΩ(A)×2 BASS VOLUME
3	{ 5318610 1015080, 1	S-11 Type Knob, TREBLE VOLUME 100kΩ(A)×2 TREBLE VOLUME
4	{ 5318610 1015070, 1	S-11 Type Knob, BALANCE VOLUME 100kΩ(M.N)×2 BALANCE VOLUME
5	{ 5318630 1011070, 1	L-4 Type Knob, VOLUME 250kΩ(B)×2, VOLUME
6	{ 5326500 5396190 1131120	Push Button (B) Ring, Push Button Push Switch, Mode
7	{ 5326500 5396190 1131120	Push Button (B) Ring, Push Button Push Switch, Tape Monitor
8	{ 5326500 5396190 1131120	Push Button (B) Ring, Push Button Push Switch, Selector
9	{ 5326520 5047470 1170340	E-3 Type Knob, Lever Switch Masking, Lever Switch SX15-1 Lever Switch, LOUDNESS
10	{ 5326520 5047470 1170350	E-3 Type Knob, Lever Switch Masking, Lever Switch SX15-2 Lever Switch, HIGH FILTER

Parts No.	Stock No.	Description
11	2430190	Headphone Jack
12	7726080	L.E.D Ass'y
13	7007310	Front Panel
14	2230051	Ground Terminal
15	2200350	10P Input Terminal
16	2210200	Speaker Terminal
17	2450060	AC Outlet
18	{ 0431220 0431230 2300060	1.0A 250V (AC 220~240V) Power 1.5A 250V (AC 100~120V) Fuse Fuse Holder
19	5388900	Name Plate
20	3800261, 2	Power Cord
21	{ 2410830 2410091	Voltage Selector, Plug Voltage Selector, Socket
22	5058580	Bottom Plate
23	5006580	Bonnet
24	5516940	Foot
T701	4002410	Power Transformer
F883, F884	0433260	Speaker Fuse, 3.5A 250V
F881, F882	0431270	AC Fuse, 4A 250V
C703	0659801	0.01μF 150V C.C.
C701 C702	0657473	0.047μF 50V C.C.
R701 R702	0104221	220Ω 1W C.R.

4. PARTS LOCATION AND PARTS LIST

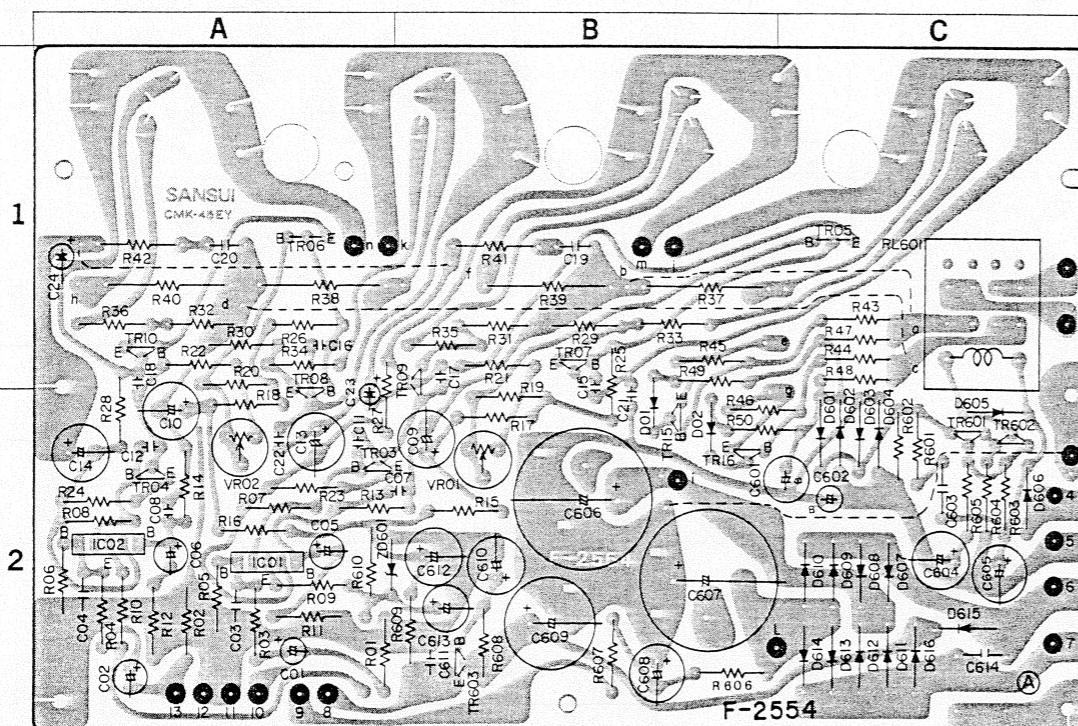
4-1. F-2555 Tone Control Circuit Board (Stock No. 7561431)

Conductor Side



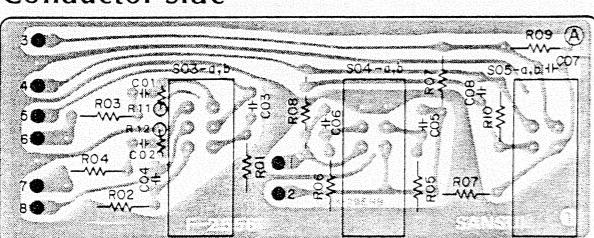
4-2. F-2554 Driver Circuit Board (Stock No. 7571371)

Conductor Side



4-3. F-2556 Switch Circuit Board (Stock No. 7594041)

Conductor Side



Parts List (F-2556)

Parts No.	Stock No.	Description
C01, 02	0621561	560 pF 50V P.C.
S03	1170340	S X 15-1
S04	1170350	S X 15-2 Lever Switch

Parts List (F-2555)

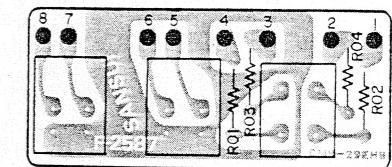
Parts List (F-2555)

Parts No.	Stock No.	Description	Position
TR01, 02	0300470, 1	2SA726 (F, G)	Transistor
TR03, 04	0306070, 1	2SC1313 (F)	
TR05, 06	0300470, 1	2SA726 (F, G)	
TR07, 08	0300470, 1	2SA726 (F, G)	
TR09, 10	0306070, 1	2SC1313 (F, G)	
VR01	1015070, 1	100kΩ (M, N) × 2	2B
VR02	1015080, 1	100kΩ (A) × 2	2A, B
VR03	1015080, 1	100kΩ (A) × 2	2A
S01	1131120	SUB54 Push Switch	2D, E

4-4. F-2587 Connector Circuit Board

(Stock No. 7594051)

Conductor Side



Parts List (F-2554)

Parts No.	Stock No.	Description	Position
TR03, 04	0306370, 1	2SC1175V10(D, E)	Transistor
TR05, 06	0305731	2SC711 (E)	
TR07, 08	0305930, 1	2SC1211 (C, D)	
TR09, 10	0300310, 1	2SA697 (C, D)	
TR11, 12	0308411, 2	2SD314 (D, E)	
TR13, 14	0303420, 1	2SB508 (D, E)	
TR603	0306132, 3	2SC1364 (7, 8)	
IC01, 02	0360290, 1	2SA798 (F, G)	2A
D607	0310340	10D1 (IS2226)	2C
D609	0310340	10D1 (IS2226)	2C
D611	0310340	10D1 (IS2226)	2C
D613	0310340	10D1 (IS2226)	2C
D615	0310340	10D1 (IS2226)	2C
D616	0310340	10D1 (IS2226)	2C
ZD601	0315970	EQAO1-13R Zener Diode	2A, B
C606	0549007	3300μF 50V E.C.	2B
C607	0549007	3300μF 50V E.C.	2B
C614	0655103	10000 pF 500V C.C.	2C
R37, 38	0132338	0.33Ω	1B, 1A
R39, 40	0132338	0.33Ω	1B, 1A
R41, 42	0210479	4.7Ω ½W M.C.	1B, 1A
R901	0103182	1.8kΩ ¼W C.R.	
VR01, 02	1035050	470Ω Semi-Variable Resistor 2B, 2A	

*Value and Stock No. of most Resistors and Capacitors are shown in Common Parts List attached.

4-5. Figures

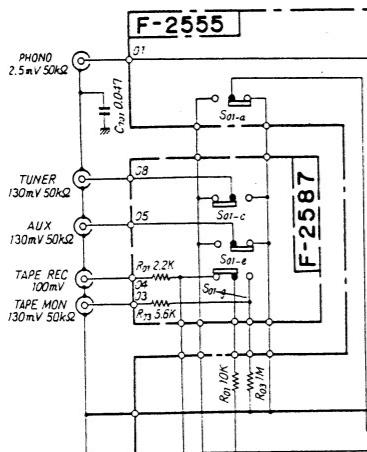
SEMICONDUCTORS	COMPLETE CIRCUIT BOARD	SEMICONDUCTORS	COMPLETE CIRCUIT BOARD
2SA726 2SC1313 2SC711 2SC1211 2SA697 2SC1175	F-2555 F-2554	2SC1364	F-2554
2SD314 2SB508	F-2554	2SA798	F-2554

Abbreviations

C.R.	: Carbon Resistor	BP.E.C.	: Bi-Polar Electrolytic Capacitor
S.R.	: Solid Resistor	C.C.	: Ceramic Capacitor
Ce.R.	: Cement Resistor	Mi.C.	: Mica Capacitor
M.R.	: Metallized Film Resistor	O.C.	: Oil Capacitor
E.C.	: Mylar Capacitor	P.C.	: Polystyrene Capacitor
		T.C.	: Tantalum Capacitor

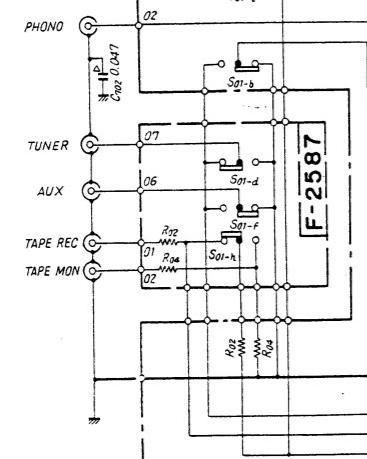
5. SCHEMATIC DIAGRAM

* La présentation et les spécifications sont susceptibles d'être modifiées sans préavis par suites d'améliorations éventuelles.
 * Anderungen, die dem technischen Fortschritt dienen, bleiben vorbehalten.
 * Design and specifications subject to change without notice for improvements.



2SA726(F,G) 2SC1313(F,G) 2SA726(F,G)

2SA726(F,G) 2SC1313(F,G)



2SA726(F,G) 2SC1313(F,G)

2SA726(F,G) 2SC1313(F,G)

F-2556

SELECTOR
1. PHONO
2. TUNER
3. AUX
4. i
5. e

TAPEMONITOR
1. SOURCE
2. PLAYBACK

MODE
1. STEREO
2. MONO

LOUDNESS
1. OUT
2. IN

HIGH FILTER
1. OUT
2. IN

POWER SPEAKERS
S05-e-e

POWER OFF
1.
2.
3. SPEAKER OFF
4. B
5. A+B

BALANCE
VOLUME
VR01-a-b

VOLUME
VR01-a-b

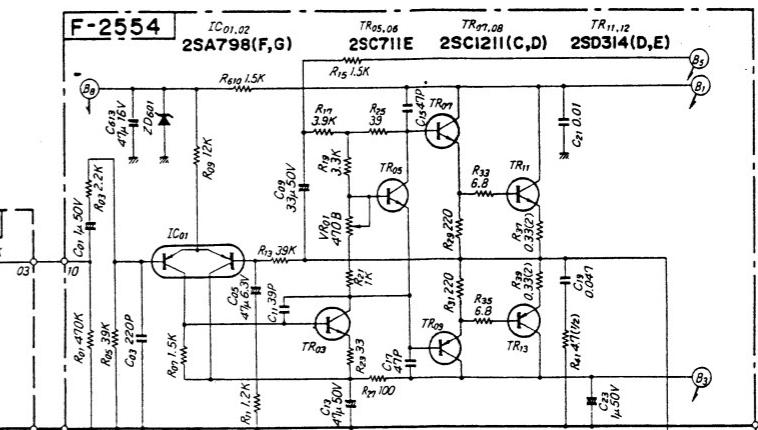
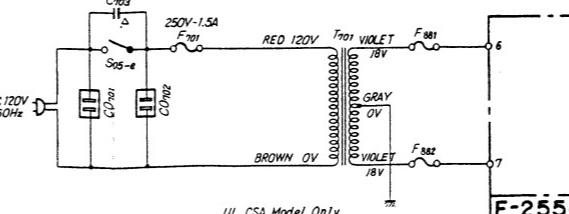
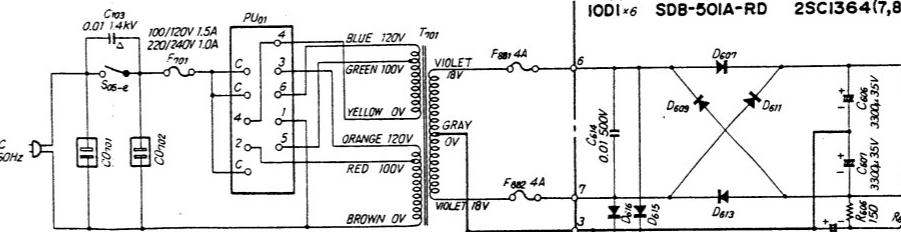
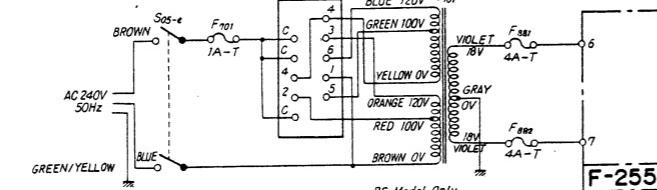
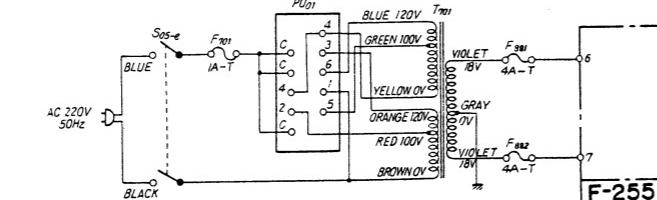
NOTICE
CAPACITOR
a Ceramic
b Styrol
c Mylar

LN Low Noise Electrolytic

RESISTOR
J Resistance Tolerance ± 5%

ALL Resistors 1/4 Watts

Unless Otherwise Noted

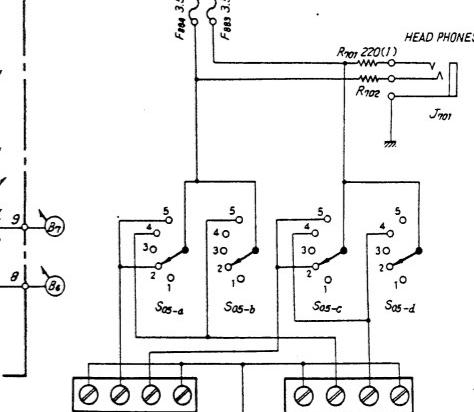


ID01.02
2SA798(F,G)
TR05.06
2SC711E
TR07.08
2SC12II(C,D)
TR11.12
2SD314(D,E)

Z.D601
EQAOI-13R

2SC1175(D,E)
2SA697(C,D)
2SB508(D,E)

TR03.04
TR05.10
TR13.14



LD701 SDB-501A-RD TR603 2SC1364(7,8)

D01.09
11.13
15.16

F001.4A

D007

D011

D013

D015

D017

D019

D021

D023

D025

D027

D029

D031

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D035

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SANSUI

COMMON PARTS LISTS FOR RESISTORS & CAPACITORS ONLY

Replacement Parts, most resistors & capacitors are common to Sansui models unless specified otherwise, therefore these resistors and capacitors in this list are not shown in parts lists of Service Manual. When replacing these parts, confirm the value, wattage (or capacity) and tolerance referring to this list and Schematic Diagram for easier check.

When ordering parts, use the parts name and Stock No. referring to Parts Lists.

◇ TYPES OF COMMON RESISTORS & CAPACITORS

(Resistors)

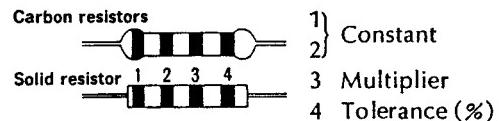
Carbon resistor $\frac{1}{4}$ W
Solid resistor $\frac{1}{4}$ W

(Capacitors)

- Ceramic capacitor
 1) 50V Standard type
 2) 50V Temperature compensation type
Mylar capacitor (50V)
Electrolytic capacitor (Vertical type)
 1) Non-polar type (6.3V~80V)
 2) Polar type (6.3V~80V)
 3) Polar type (25V &50V)
 (low noise)

◇ Resistors

—How to read color code—



For example:

1. Brown 2. Red
 3. Orange 4. Silver

$12 \times 10^3 (\Omega) \pm 10\%$

$12k\Omega \pm 10\%$

Color	1	2	3	4
Black	0	0	10^0	
Brown	1	1	10^1	
Red	2	2	10^2	
Orange	3	3	10^3	
Yellow	4	4	10^4	
Green	5	5	10^5	
Blue	6	6	10^6	
Purple	7	7	—	
Gray	8	8	—	
White	9	9	—	
Gold	—	—	10^{-1}	$\pm 5\%$
Silver	—	—	10^{-2}	$\pm 10\%$
Colorless	—	—	—	$\pm 20\%$



►RESISTORS

Value (Ω)	Stock No.	Value (Ω)	Stock No.	Value (Ω)	Stock No.	Value (Ω)	Stock No.
Carbon resistors (Standard type)							
$\frac{1}{4}W$ Tolerance $\pm 5\%$							
1.5	0107159	68.0 K	0107683	8.2 K	0240822	560.0	0113561
1.8	0107189	82.0 K	0107823	10.0 K	0240103	680.0	0113681
2.2	0107229	100.0 K	0107104	12.0 K	0240123	820.0	0113821
2.7	0107279	120.0 K	0107124	15.0 K	0240153	1.0 K	0113102
3.3	0107339	150.0 K	0107154	18.0 K	0240183	1.2 K	0113122
3.9	0107399	180.0 K	0107184	22.0 K	0240223	1.5 K	0113152
4.7	0107479	220.0 K	2107224	27.0 K	0240273	1.8 K	0113182
5.6	0107569	270.0 K	0107274	33.0 K	0240333	2.2 K	0113222
6.8	0107689	330.0 K	0107334	39.0 K	0240393	2.7 K	0113272
8.2	0107829	390.0 K	0107394	47.0 K	0240473	3.3 K	0113332
10.0	0107100	470.0 K	0107474	56.0 K	0240563	3.9 K	0113392
12.0	0107120	560.0 K	0107564	68.0 K	0240683	4.7 K	0113472
15.0	0107150	680.0 K	0107684	82.0 K	0240823	5.6 K	0113562
18.0	0107180	820.0 K	0107824	100.0 K	0240104	6.8 K	0113682
22.0	0107220	1.0 M	0107105	120.0 K	0240124	8.2 K	0113822
27.0	0107270	Carbon resistor (Miniature type)					
33.0	0107330	4.7	0240479	150.0 K	0240154	10.0 K	0113103
39.0	0107390	5.6	0240569	180.0 K	0240184	12.0 K	0113123
47.0	0107470	6.8	0240689	220.0 K	0240224	15.0 K	0113153
56.0	0107560	8.2	0240829	270.0 K	0240274	18.0 K	0113183
68.0	0107680	10.0	0240100	330.0 K	0240334	22.0 K	0113223
82.0	0107820	12.0	0240120	390.0 K	0240394	27.0 K	0113273
100.0	0107101	15.0	0240150	470.0 K	0240474	33.0 K	0113333
20.0	0107121	18.0	0240180	560.0 K	0240564	39.0 K	0113393
50.0	0107151	22.0	0240220	680.0 K	0240684	47.0 K	0113473
80.0	0107181	27.0	0240270	820.0 K	0240824	56.0 K	0113563
20.0	0107221	33.0	0240330	1.0 M	0240105	68.0 K	0113683
70.0	0107271	39.0	0240390	Solid resistor			
30.0	0107331	47.0	0240470	$\frac{1}{4}W$ Tolerance $\pm 5\%$			
90.0	0107391	56.0	0240560	6 mm			
70.0	0107471	68.0	0240680	Use resistor with tolerance $\pm 5\%$ in lieu of one with $\pm 10\%$			
60.0	0107561	82.0	0240820	2.2	0113229	100.0 K	0113104
80.0	0107681	100.0	0240101	2.7	0113279	120.0 K	0113124
120.0	0107821	120.0	0240121	3.3	0113339	150.0 K	0113154
1.0 K	0107102	150.0	0240151	3.9	0113399	180.0 K	0113184
1.5 K	0107152	180.0	0240181	4.7	0113479	220.0 K	0113224
1.8 K	0107182	220.0	0240221	5.6	0113569	270.0 K	0113274
2.2 K	0107222	270.0	0240271	6.8	0113689	330.0 K	0113334
2.7 K	0107272	330.0	0240331	8.2	0113829	390.0 K	0113394
3.3 K	0107332	390.0	0240391	10.0	0113100	47.0 K	0113474
3.9 K	0107392	470.0	0240471	12.0	0113120	56.0 K	0113564
4.7 K	0107472	560.0	0240561	15.0	0113150	68.0 K	0113684
5.6 K	0107562	680.0	0240681	18.0	0113180	82.0 K	0113824
6.8 K	0107682	820.0	0240821	22.0	0113220	1.0 M	0113105
8.2 K	0107822	1.0 K	0240102	27.0	0113270	1.2 M	0113125
10.0 K	0107103	1.2 K	0240122	33.0	0113330	3.9 M	0113335
12.0 K	0107123	1.5 K	0240152	39.0	0113390	4.7 M	0113475
15.0 K	0107153	1.8 K	0240182	47.0	0113470	5.6 M	0113565
18.0 K	0107183	2.2 K	0240222	56.0	0113560		
22.0 K	0107223	2.7 K	0240272	68.0	0113680		
27.0 K	0107273	3.3 K	0240332	82.0	0113820		
33.0 K	0107333	3.9 K	0240392	100.0	0113101		
39.0 K	0107393	4.7 K	0240472	120.0	0113121		
47.0 K	0107473	5.6 K	0240562	150.0	0113151		
56.0 K	0107563	6.8 K	0240682	180.0	0113181		
				220.0	0113221		
				270.0	0113271		
				330.0	0113331		
				390.0	0113391		
				470.0	0113471		

◆CAPACITORS

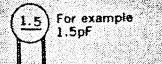
TOLERANCE (%)

G	J	K	L	M
±2	±5	±10	±15	±20

Value (pF) Stock No. Indication

Ceramic capacitor

- 1) 50V Standard type
*No color indication on top



1($\pm 0.5\text{pF}$)	0657109	1
1.5	0657159	1.5
2	0657209	2
3	0657309	3
4	0657409	4
5	0657509	5
6	0657609	6
7	0657709	7
8	0657809	8
9	0657909	9
10	0657100	10
12($\pm 10\%$)	0657120	12
15	0657150	15
18	0657108	18
22	0657220	22
27	0657270	27
33	0657330	33
39	0657390	39
47	0657470	47 pF
56	0657560	56 pF
68	0657680	68 pF
82	0657820	82 pF
100	0657101	100 pF
120	0657121	120 pF
150	0657151	150 pF
180	0657181	180 pF
220	0657221	220 pF
270	0657271	270 pF
330	0657331	330 pF
390	0657391	390 pF
470	0657471	470 pF
1000($^{+80\%}_{-20\%}$)	0657102	0.001 μF
2200	0657222	0.0022 μF
4700	0657472	0.0047 μF
10000	0657103	0.01 μF
22000	0657223	0.022 μF
47000	0657473	0.047 μF

2) 50V Temperature Compensation type

1.0	0669014	1
1.5	0669021	1.5
2.2	0669003	2.2
2.7	0669203	2.7
3.9	0669002	3.9
4.7	0669020	4.7
6.8	0669018	6.8
8.2	0669005	8.2
10.0	0661100	10
12.0	0661120	12
15.0	0661150	15
18.0	0661180	18
22.0	0661220	22
25.0	0661250	25 J

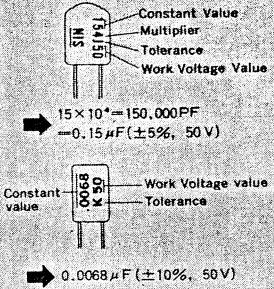
Value (μF) Stock No. Indication

27.0	0661270	27 J
33.0	0661330	33 J
39.0	0661390	39 CM
47.0	0661470	47 CM
56.0	0661560	56 CM
68.0	0661680	68 CM
82.0	0661820	82 CM
100.0	0661101	101 CM

Value (μF) Stock No. W.V.

0.001	0600106	50V
0.01	0600107	
0.1	0600108	
0.001	0600116	
0.011	0600117	
0.11	0600118	
0.0012	0600126	
0.012	0600127	
0.12	0600128	
0.0013	0600136	
0.013	0600137	
0.13	0600138	
0.0015	0600156	
0.015	0600157	
0.15	0600158	
0.0016	0600166	
0.016	0600167	
0.16	0600168	
0.0018	0600186	
0.018	0600187	
0.18	0600188	
0.002	0600206	
0.02	0600207	
0.2	0600208	
0.002	0600226	
0.022	0600227	
0.22	0600228	
0.0024	0600246	
0.024	0600247	
0.0027	0600276	
0.027	0600277	
0.27	0600278	
0.003	0600306	
0.03	0600307	
0.0033	0600336	
0.033	0600337	
0.33	0600338	
0.0036	0600366	
0.036	0600367	
0.0039	0600396	
0.039	0600397	
0.39	0600398	
0.004	0600406	
0.04	0600407	
0.0043	0600436	
0.043	0600437	
0.0047	0600476	
0.047	0600477	

Mylar capacitor

*Use capacitor with letter J ($\pm 5\%$) in lieu of one with K ($\pm 10\%$)



►CAPACITORS

Value [μF]	Stock No.	W.V.	Value [μF]	Stock No.	W.V.	Value [μF]	Stock No.	W.V.	Value [μF]	Stock No.	W.V.
0.47	0600478	50 V	10.0	0533100	25 V	4.7	0513479	25 V	0.68	0519111	50 V
0.0005	0600505		100.0	0533101		100.0	0514101	35 V			
0.005	0600506		22.0	0533220		1000.0	0514102				
0.05	0600507		220.0	0533221		220.0	0514221				
0.0051	0600516		2.2	0533229		2200.0	0514222				
0.051	0600517		33.0	0533330		330.0	0514331				
0.0056	0600566		3.3	0533339		3.3	0514339				
0.056	0600567		47.0	0533470		470.0	0514471				
0.006	0600606		4.7	0533479							
0.06	0600607		68.0	0533680							
0.0062	0600626					10.0	0515100	50 V			
0.062	0600627		10.0	0535100	50 V	100.0	0515101				
0.0068	0600686		100.0	0535101		1000.0	0515102				
0.068	0600687		1.0	0535109		1.0	0515109				
0.0075	0600756		22.0	0535220		220.0	0515221				
0.075	0600757		2.2	0535229		2.2	0515229				
0.008	0600806		33.0	0535330		33.0	0515330				
0.08	0600807		3.3	0535339		330.0	0515331				
0.0082	0600825		47.0	0535470		3.3	0515339				
0.0082	0600826		0.47	0535478		47.0	0515470				
0.082	0600827		4.7	0535479		470.0	0515471				
0.00091	0600915		68.0	0535680		4.7	0515479				
0.0091	0600916										
0.091	0600917		4.7	0539001	80 V	100.0	0516101	63 V			
						22.0	0516220				
						220.0	0516221				
						330.0	0516331				
						3.3	0516339				
						47.0	0516470				
						4.7	0516479				

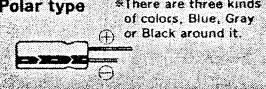
Electrolytic capacitor (Vertical type)

1) Non-polar type



*There are indication of
BP, BI-POLAR or NP.
*There are three kinds of
color, Gray, Blue or
Black around it.

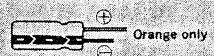
Polar type



*There are three kinds
of colors, Blue, Gray
or Black around it.

10.0	0530100	6.3 V	100.0	0510101	6.3 V
100.0	0530101		1000.0	0510102	
1000.0	0530102		220.0	0510221	
22.0	0530220		330.0	0510331	
220.0	0530221		47.0	0510470	
33.0	0530330		470.0	0510471	
330.0	0530331				
47.0	0530470		100.0	0511101	10 V
470.0	0530471		1000.0	0511102	
			220.0	0511221	
100.0	0531101	10 V	33.0	0511330	
22.0	0531220		330.0	0511331	
220.0	0531221		47.0	0511470	
33.0	0531330				
330.0	0531331		10.0	0512100	16 V
3.3	0531339		100.0	0512101	
47.0	0531470		1000.0	0512102	
470.0	0531471		220.0	0512221	
68.0	0531680		33.0	0512330	
			330.0	0512331	
10.0	0532100	16 V	47.0	0512470	
100.0	0532101		470.0	0512471	
22.0	0532220				
220.0	0532221		10.0	0513100	25 V
33.0	0532330		100.0	0513101	
330.0	0532331		1000.0	0513102	
3.3	0532339		220.0	0513221	
47.0	0532470		33.0	0513330	
470.0	0532471		330.0	0513331	
4.7	0532479		47.0	0513470	
68.0	0532680		470.0	0513471	

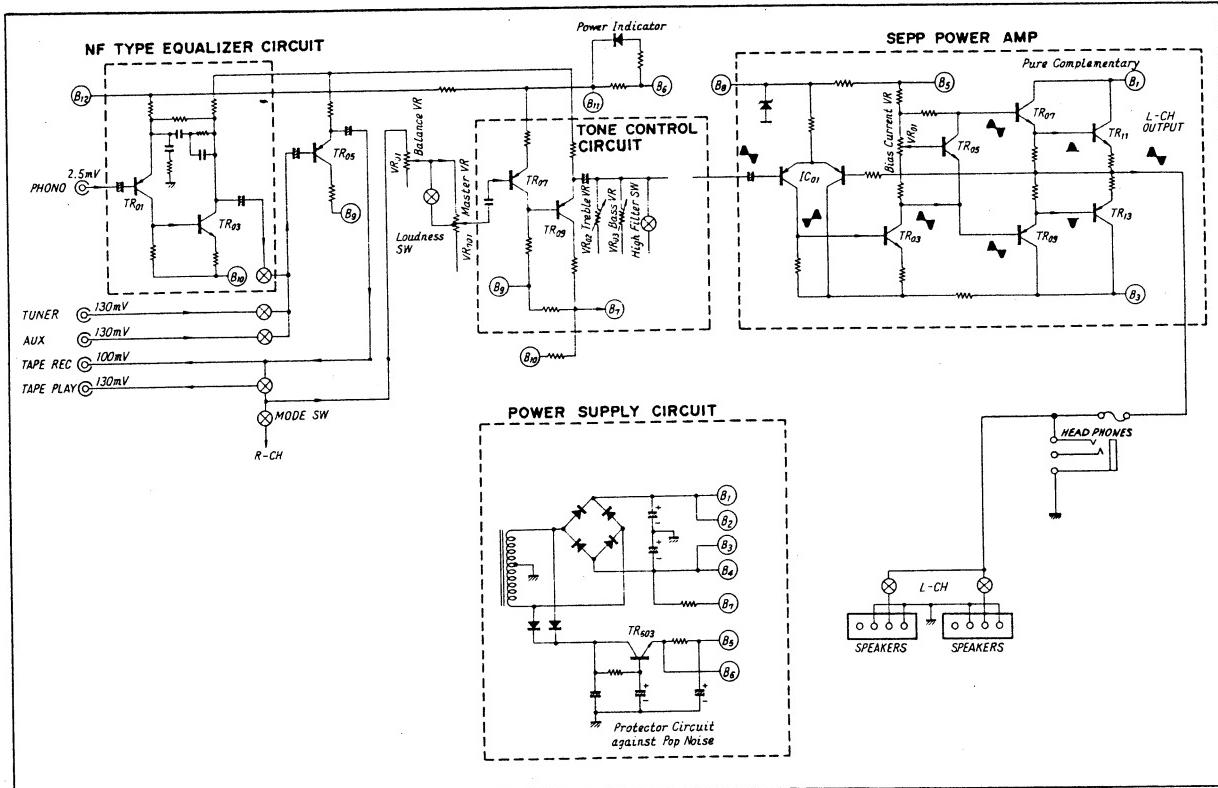
Polar type (Low noise)



Orange only

10.0	0519001	25 V
3.3	0519002	
1.0	0519101	50 V
3.3	0519102	
0.47	0519103	
1.5	0519104	
2.2	0519105	
4.7	0519106	
6.8	0519107	
10.0	0519108	
0.22	0519109	
0.33	0519110	

6. OPERATION BLOCK DIAGRAM



7. TROUBLESHOOTING

Symptom

Cause

7-1. Troubles on Power Supply Section

- | | |
|---|--|
| 1-1. Opened AC circuitry on primary side of power transformer | <ol style="list-style-type: none"> 1. Imperfect contact of power switch, S05 2. Power fuse, F701 open 3. AC fuse, F881~F882 open 4. Defective D607, D609, D611 or D613 on F-2554 5. Defective TR603 on F-2554 |
|---|--|

7-2. Troubles on Power Amplifier Section

- | | |
|---|--|
| 2-1. AC fuse, F881~F882 blown when switching power ON | <ol style="list-style-type: none"> 1. TR07~TR14 on F-2554 short 2. TR05 or TR06 on F-2554 open |
| 2-2. Speaker fuse open | <ol style="list-style-type: none"> 3. Speaker wires (+ and - side) shorted on speaker terminals 4. Miss-connections of speaker wires |
| 2-3. Power amplifier section inoperative | <ol style="list-style-type: none"> 5. Defective IC01, TR03 on F-2554 |

7-3. Troubles on Tone Control Section

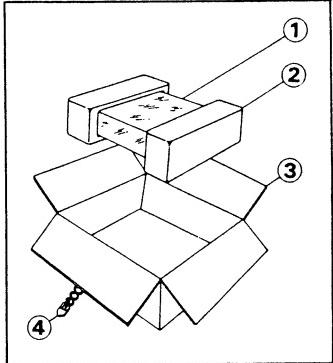
- | | |
|---------------------------------------|--|
| 3-1. Tone control section inoperative | <ol style="list-style-type: none"> 1. Defective TR07~TR10 on F-2554 |
|---------------------------------------|--|

7-4. Troubles on Equalizer Section

- | | |
|------------------------------------|--|
| 4-1. Equalizer section inoperative | <ol style="list-style-type: none"> 1. Imperfect contact of selector switch, S01 2. Defective TR01~TR06 on F-2555 |
|------------------------------------|--|

8. PACKING LIST

Parts No.	Stock No.	Description
1	9116640	Vinyl Cover
2	9027800	Styloform Packing
3	9009050	Carton Case
4	5996080	Curl Stopper



9. ACCESSORY PARTS LIST

Stock No.	Description
9209660	Operating Instructions
9237350	Schematic Diagram

Sansui

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14-1, 2-chome, Izumi, Suginamiku, Tokyo 168, Japan
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